



METROPOLITAN  
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AND EXPRESSWAYS

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## *Memorandum*

Agenda Item No. 2b

TO: Operations Committee

DATE: June 4, 2010

FR: Executive Director

W.I.: 1236

RE: Funding Agreement - Ramp Metering Design: Santa Clara Valley Transportation Authority (VTA)

### **Summary**

Staff recommends that the Committee authorize the Executive Director to enter into a funding agreement with the VTA in an amount not to exceed \$1,600,000 for the design of ramp metering projects on freeway corridors in Santa Clara County.

### **Background**

As one of the most cost-effective strategies to improve mobility and reduce emissions in MTC's Transportation 2035 Plan, the Freeway Performance Initiative (FPI) program proposes to complete the ramp metering and traffic operations system (TOS) on the Bay Area freeway system. Early program investments will focus on implementing ramp metering in the most congested freeway corridors, along with the TOS elements required to support this initial implementation.

The results of every recent Bay Area ramp metering implementation project have clearly demonstrated reductions in travel times and a decreases in the overall duration of traffic congestion. Some corridors have experienced dramatic improvements. For example, after the activation of meters on eastbound I-580 through Pleasanton and Livermore, travel times through the corridor during the evening peak period were reduced by 33%. Increases in freeway throughput and a reduction in peak period accidents have also been documented on I-580. All corridors have experienced improved day-to-day reliability of travel times.

Staff proposes that VTA lead the design of this set of FPI projects, supplementing Caltrans' design of a majority of the other initial FPI projects. VTA's role and responsibility will include administering, managing, and contracting consulting services. Caltrans, VTA, and MTC staffs have concurred with a group of projects to fill gaps in the ramp metering system on US-101, SR-17, SR-87, SR-237, I-280, and I-880 in Santa Clara County.

**Recommendation**

Staff recommends that the Committee authorize the Executive Director to negotiate and enter into a funding agreement with the VTA in an amount not to exceed \$1,600,000 for design of ramp metering projects on freeway corridors in Santa Clara County.

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Steve Heminger

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## REQUEST FOR COMMITTEE APPROVAL

### Summary of Funding Agreement

Work Item No.: 1236

Contractor: Santa Clara Valley Transportation Authority

Work Project Title: Funding Agreement - Ramp Metering Design: Santa Clara Valley Transportation Authority

Purpose of Project: Design ramp metering projects on freeway corridors in Santa Clara County.

Brief Scope of Work: Design ramp metering enhancement projects on US-101, SR-17, SR-87, SR-237, I-280, and I-880 in Santa Clara County.

Project Cost Not to Exceed: \$1,600,000

Funding Source: CMAQ and SAFE

Fiscal Impact: Funding for contracting year to be proposed for inclusion in FY 2011

Motion by Committee: That the Executive Director or his designee is authorized to enter into a funding agreement with the Santa Clara Valley Transportation Authority (VTA) in an amount not to exceed \$1,600,000 for design of ramp metering projects on freeway corridors in Santa Clara County.

Operations  
Committee:

Approved: \_\_\_\_\_ Date: June 11, 2010  
Amy Rein Worth, Chairperson